

**PROJECT DESCRIPTION**

THIS PROJECT INVOLVES THE RECONSTRUCTION OF THE EXISTING SCHOOL FLASHER FOR THE BEACH ELEMENTARY SCHOOL ON MD 261 IN CALVERT COUNTY. IT IS ASSUMED THAT MD 261 RUNS IN A NORTH-SOUTH DIRECTION.

**FLASHER OPERATION**

SCHOOL FLASHER OPERATION IS CONTROLLED BY TIME OF DAY PROGRAMMING.

**CONTROLLER REQUIRMENTS**

INSTALL A POLE MOUNTED TYPE "G" FLASHER CABINET WITH BATTERY BACK-UP FOR PHONE DROP.

**SPECIAL NOTE**

UPON COMPLETION OF THIS PROJECT THE CONTRACTOR SHALL NOTIFY MR. ROBERT SNYDER OF SHA AT (410)787-7635 TO ARRANGE FOR THE PHONE LINE INSTALLATION. THE CONTRACTOR IS TO PROVIDE MR. SNYDER WITH THE NEAREST STREET ADDRESS, ZIP CODE, AND PHONE NUMBER.

**EQUIPMENT LIST "A"**

EQUIPMENT TO BE SUPPLIED BY SHA AND AND INSTALLED BY THE CONTRACTOR.

CATEGORY CODE	DESCRIPTION	UNIT	QUANTITY
971040	TWO CIRCUIT FLASHER AND CABINET - POLE MOUNT	EA	2
973023	SHEET ALUMINUM SIGNS CONSISTING OF:	SF	22
	2 - S1-1 (36" X 36") FYG- POLE MOUNT		
	2 - W16-9P (24" X 12") FYG- POLE MOUNT		

**EQUIPMENT LIST "B"**

EQUIPMENT TO BE SUPPLIED AND/OR INSTALLED BY THE CONTRACTOR.

CATEGORY CODE	DESCRIPTION	UNIT	QUANTITY
203030	TEST PIT EXCAVATION	CY	2
655104	4 INCH CONCRETE SIDEWALK	SF	32
801004	CONCRETE FOR SIGNAL FOUNDATION	CY	2
802501	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE	LF	20
805125	2 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED	LF	165
805135	3 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED	LF	35
805140	4 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED	LF	110
807202	METERED SERVICE PEDESTAL	EA	2
810022	ELECTRICAL CABLE 1-CONDUCTOR NO. 8 AWG THHN/THWN	LF	105
811001	FURNISH AND INSTALL ELECTRICAL HANDHOLE	EA	2
813015	INSTALL OVERHEAD SIGNS	SF	22
818010	14 FOOT BREAKAWAY PEDESTAL POLE	EA	2
834001	CONNECTOR KIT - TYPE I	EA	2
834002	CONNECTOR KIT - TYPE II	EA	2
837001	GROUND ROD 3/4 INCH DIAMETER X 10 FOOT LENGTH	EA	8
800000	12 INCH L.E.D. VEHICULAR TRAFFIC SIGNAL HEAD SECTION - POLE MOUNT	EA	4
861107	ELECTRICAL CABLE-5 CONDUCTOR (NO. 14 AWG)	LF	40
871040	INSTALL TWO CIRCUIT FLASHER CABINET - POLE MOUNT	EA	2
800000	REMOVE AND DISPOSE OF MATERIAL AND EQUIPMENT	LS	1

**PROJECT CONTACTS**

CONTACT PERSONS FOR DISTRICT 5 ARE AS FOLLOWS:

MS. KIMBERLY TRAN  
ASSISTANT DISTRICT ENGINEER - TRAFFIC  
(410) 841-1019

MR. JOHN MAYS  
ASSISTANT DISTRICT ENGINEER - UTILITIES  
(410) 841-1005

MR. CHARLES GEORGE  
ASSISTANT DISTRICT ENGINEER - MAINTENANCE  
(410) 841-1013

CONTACT PERSONS FOR OOTS ARE AS FOLLOWS:

MR. RICHARD DAFF, SR.  
CHIEF TRAFFIC OPERATIONS  
(410) 787-7630

MR. ED RODENHIZER  
CHIEF, SIGNAL OPERATIONS  
(410)787-7630

MR. MIKE STOCKER  
SIGNAL SHOP WAREHOUSE  
(410) 787-7696

MR. ROBERT SNYDER  
ASSISTANT DIVISION, CHIEF  
TRAFFIC OPERATIONS  
(410) 787-7630

MR. EUGENE BAILEY,  
CHIEF SIGN OPERATIONS  
(410) 787-7676

**EQUIPMENT LIST "C"**

C. EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND RETURNED TO SHA.

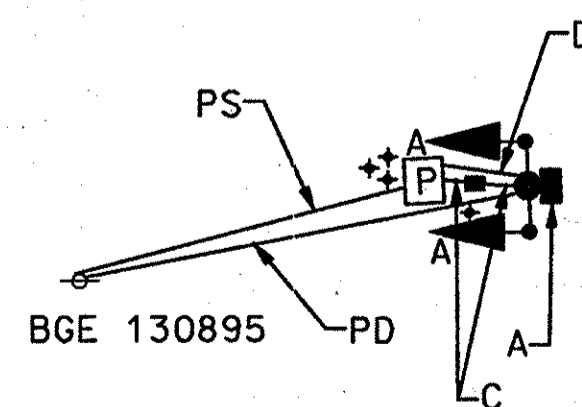
SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILIARY EQUIPMENT FROM THE CONTROLLER CABINET. THE CABINET AND ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME PROPERTY OF THE CONTRACTOR.

**WIRING DIAGRAM**

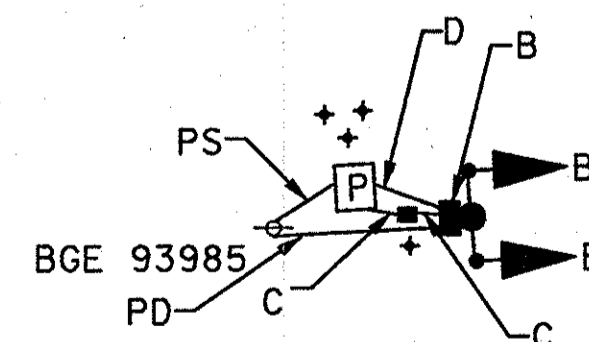
**WIRING KEY**

- A•B 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- C NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
- D 1-CONDUCTOR ELECTRICAL CABLE (NO. 8 AWG-THHN/THWN, 3 RUNS)
- PS PROPOSED UNDERGROUND POWER SERVICE, BGE TO MAKE FINAL CONNECTION
- PD PROPOSED PHONE DROP TO BE INSTALLED BY VERIZON
- ★ PROPOSED GROUND ROD

NORTHBOUND H.I.B.  
(98 FT. NORTH OF 13TH STREET)



SOUTHBOUND H.I.B.  
(STA. 102+70)



▲ ADDENDUM NO. 2  
3/30/06  
REPLACES SHEET 109

**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
**MD 261 AND BEACH ELEMENTARY SCHOOL**  
CHESAPEAKE BEACH, MARYLAND

**GENERAL INFORMATION SHEET**

SCALE 1"=20' DATE 8/2005 CONTRACT NO. CA4815184

DESIGNED BY HEH COUNTY CALVERT  
DRAWN BY HEH LOGMILE  
CHECKED BY DAE TMS NO. H420  
FAP NO. TOD NO.

TS NO. 1614 DRAWING - OF SHEET NO. 109A OF 146

**RK & K** RUMMEL, KLEPPER & KAHL, LLP  
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